

DURASTAT[®] 3911

Description: **DURASTAT[®] 3911** is a high-performance, flexible, static-dissipative fabric with a buried conductive layer specifically designed for use as a surface covering. This product features a unique multi-layer construction. The top is a proprietary vinyl blend, engineered to be semi-conductive, non-tacky, color stable, durable and dirt/stain resistant. The buried conductive layer is the primary path to ground within the structure. On the back side, there is a coated, woven textile that imparts dimensional stability, delivers superior resistance to tearing and can be laminated. The material can be die cut. This product is excellent for use as tote-lines, shelf-liners, bench top covering, top layer for anti-fatigue mats and other applications where permanent ESD control needs to be added to a surface and visual aesthetics are important. The unique construction provides the same resistance-to-ground measurement from any point on the material. The standard color is black.

TYPICAL PHYSICAL PROPERTIES

Test and Methods	Imperial		Metric	
	Result	Unit	Result	Unit
Weight FSTM191.5041	26 ± 0.5	oz/yd ²	0.88 ± 0.02	kg/m ²
Thickness FSTM191.5030	0.026 ± 0.002	inches	0.66 ± 0.05	mm
Adhesion ASTM D751	8.4 ± 0.1	lbs/inch	37.4 ± 0.4	N/25mm
Flame Resistance (MD/CD) FSTM191.5903	---	---	---	---
After Flame	6 / 5 ± 1	seconds	6 / 5 ± 1	seconds
Burn Length	0.2 / 0.2 ± 0.05	inches	5.1 / 5.1 ± 1.3	mm
Char Length	2 / 2 ± 0.5	inches	50.8 / 50.8 ± 13	mm
Grab Tensile (MD/CD) FSTM191.5100	275 / 184 ± 10	lbs/inch	1223.3 / 818.5 ± 44.5	N/25mm
Tear - Trap (MD/CD) ASTM D1117	13 / 8 ± 0.5	lbs	57.8 / 35.6 ± 2.2	N
Mullen FSTM191.5512	325 ± 25	PSI	2240.8 ± 172.4	kPa
ESD/EOS 10V	5.55X10 ⁷ Ohms			
ESD/EOS 100V	3.11X10 ⁷ Ohms			
Standard Width	54	inches	1371.6	mm

The information contained in this technical data bulletin is believed to be true and accurate. The typical physical properties are from historical testing and should not be considered a specification. This information is to be used only as a guide. It is the responsibility of the end user to determine the suitability of our products for each specific application.

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